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(54) Title: METHODS FOR REDUCING SOMATIC CELL COUNT IN MILK

(57) Abstract: In an embodiment, the present invention is directed to a method of reducing the somatic cell count in milk including administering an effective amount of a toxin to a mammal. In some embodiments, the toxin administered has a modified disulfide loop region. For example, at least 40% of the amino acid residues within the disulfide loop region are deleted in some embodiments. The mammal reacts to the administered toxin with an immune response. In an embodiment, the present invention is directed a method of increasing the quality of milk produced by mammals including administering an effective amount of a toxin to a mammal.